

FEB 14 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Uneme, Masakatsu

Serial No.: 10/657,464

Filed: September 8, 2003

Title: (As Amended) Data Processing Apparatus that Shares a Single Semiconductor Memory Circuit Among Multiple Data Processing Circuits

Attorney Docket No.: N26532602E

Group Art Unit: 2186

Examiner: Kim, Hong Chong

TRANSMITTAL COVER SHEET (37 C.F.R. §1.8(a)(i)(A))
First Class Mail

Assistant Commissioner for Patents
Washington, D.C. 20231

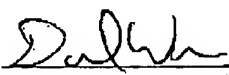
The following is included:

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|---|--|
| <input type="checkbox"/> Amendment/Response | <input type="checkbox"/> Applications |
| <input type="checkbox"/> After Final Rejection | <input type="checkbox"/> Response to Missing Parts Under 37 |
| <input type="checkbox"/> Affidavits/Declaration(s) | <input type="checkbox"/> C.F.R. §1.52 or §1.53 |
| <input type="checkbox"/> Extension of Time Request | <input type="checkbox"/> Assignment Papers |
| <input type="checkbox"/> Information Disclosure Statement | <input type="checkbox"/> Power of Attorney/Revocation/Change |
| <input type="checkbox"/> Status Request Letter | <input type="checkbox"/> of Correspondence Address |
| <input checked="" type="checkbox"/> Other <u>Certification Under 37 C.F.R. 1.8(b)</u> | |

Conditional Petition for Extension of Time

It is believed that the indicated items are timely filed. However, in the event an extension of time is required, please consider this a petition for extension of time under 37 C.F.R. §1.136(a). Please charge any fees that may be required to Deposit Account No. 50-2087.

Respectfully Submitted,


Darryl G. Walker, Reg. No. 43,232

February 14, 2006
Date

37 C.F.R. §1.8

I hereby certify that this correspondence is being

☒ transmitted via facsimile to the United States Patent and Trademark Office to fax number: 1-571-273-8300
Date of Transmittal: February 14, 2006

☐ deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.
Date of Deposit: _____

Typed/Printed Name: Darryl G. Walker

Signature: 

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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CERTIFICATION OF PREVIOUS TRANSMISSION/DEPOSIT
37 C.F.R. 1.8(b)

Statement of Darryl G. Walker:

(1) Examiner H. C. Kim contacted me by telephone on February 10, 2006 to inform me that a faxed in response to an Office Action ("the Correspondence") dated December 16, 2005 for case serial no. 10/657,464 was incomplete, and needed to be re-submitted.

(2) Transmitted herewith is a copy of the previously transmitted Correspondence which includes a certification under 37 C.F.R. 1.8(a) indicating that the Correspondence was transmitted to the Patent Office on December 16, 2005.

(3) I transmitted the Correspondence to the fax number 1-571-273-8300 on December 16, 2005. Included are the following:

- a) a copy of the sending unit's report confirming the transmission of the Correspondence.
- b) a copy of a first Auto-Reply Facsimile Transmission confirming the receipt of the first six pages of the Correspondence.
- c) a copy of a second Auto-Reply Facsimile Transmission confirming the receipt of the last ten pages of the Correspondence.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Signed:



Darryl G. Walker
Reg. No. 43,232

February 14, 2006

Date

Feb. 14. 2006 9:57AM Walker & Sako, LLP

FEB 14 2006

No. 1781 P. 4

AMENDMENT TRANSMITTAL LETTER				Attorney Docket No: N26532602E		
Application Serial Number: 10/657,464	Filing Date: 09/08/2003	Examiner: Kim, Hong Chong	Group Art Unit: 2186			
Invention: Data Processing Apparatus that Shares a Single Semiconductor Memory Circuit Among Multiple Data Processing Circuits.						
TO THE COMMISSIONER OF PATENTS AND TRADEMARKS: Transmitted herewith is an amendment in the above-identified application. The fee has been calculated as shown below.						
CLAIMS AS AMENDED						
	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	NO. OF EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	20	MINUS	20	0	\$50	\$ 0.00
INDEP. CLAIMS	3	MINUS	3	0	\$200	\$ 0.00
_____ Petition is hereby made under 37 CFR 1.136(a) to extend the time for response to the Office Action of _____ to and through _____, comprising an extension of the shortened statutory period of: _____ one month (\$120) _____ three months (\$1020) _____ two months (\$450) _____ four months (\$1590)						
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						
_____ A check in the amount of \$ 0.00 is attached. <input checked="" type="checkbox"/> Please charge any necessary additional fees or credit any overpayment to Deposit Account 50-2087 . <input checked="" type="checkbox"/> No additional fee is required.						
Conditional Petition for Additional Extension of Time It is believed that the indicated items are timely filed. However, in the event an additional extension of time is required, please consider this a petition for extension of time under 37 C.F.R. §1.136(a). Please charge any fees that may be required to Deposit Account No. 50-2087 .						
_____ Date		_____ Darryl G. Walker, Reg. No. 43,232				
<u>37 C.F.R. §1.8</u>						
I hereby certify that this correspondence is being						
<input checked="" type="checkbox"/> transmitted via facsimile to the United States Patent and Trademark Office to fax number: _____ 1-571-273-8300 _____ Date of Transmittal: _____ December 16, 2005 _____						
<input type="checkbox"/> deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Box 1450, Alexandria, VA 22313-1450. Date of Deposit: _____						
Typed/Printed Name: _____ Darryl G. Walker _____						
Signature: _____ <i>Darryl G. Walker</i> _____						

* * * Communication Result Report (Dec. 16. 2005 10:30AM) * * *

Fax Header) Walker & Sako, LLP

Date/Time: Dec. 16. 2005 10:21AM

File No.	Mode	Destination	Pg(s)	Result	Page Not Sent
1456	Memory TX	US PTO	P. 16	OK	

Reason for error

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 E. 3) No answer
 E. 5) Exceeded max. E-mail size

- E. 2) Busy
 E. 4) No facsimile connection

AMENDMENT TRANSMITTAL LETTER				Attorney Docket No. 724532402B	
Application Serial Number: 10657,164		Filing Date: 02/08/2006	Examiner: Kim, Hong Chong		Group Art Unit: 2186
Invention: Data Processing Apparatus that Shares a Single Semiconductor Memory Circuit Among Multiple Data Processing Circuits					
TO THE COMMISSIONER OF PATENTS AND TRADEMARKS: Transmitted herewith is an amendment in the above-identified application. The fee has been calculated as shown below.					
CLAIMS AS AMENDED					
	CLAIMS RECALCULATED AFTER AMENDMENT		EXAMINER'S FEE (ONLY ONE FOR)	NO. OFFICIAL CLAIMS (MAXIMUM)	ADDITIONAL FEE
TOTAL CLAIMS	50	MINUS	20	0	\$ 0.00
INDEP. CLAIMS	3	MINUS	3	0	\$ 0.00
Petition is hereby made under 37 CFR 1.136(a) to extend the time for response to the Office Action of _____ to and through _____, comprising an extension of the shortened statutory period of _____ one month (\$120) three months (\$1020) two months (\$450) four months (\$1590)					
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					
A check in the amount of \$ 0.00 is attached. <input checked="" type="checkbox"/> Please charge any necessary additional fees or credit any overpayment to Deposit Account 50-2087. <input checked="" type="checkbox"/> No additional fee is required.					
Conditional Petition for Additional Extension of Time It is believed that the indicated items are timely filed. However, in the event an additional extension of time is required, please consider this a petition for extension of time under 37 C.F.R. §1.136(a). Please charge any fees that may be required to Deposit Account No. 50-2087.					
Date: December 16, 2005 Darryl G. Walker, Reg. No. 43,132					
I hereby certify that this correspondence is being DU transmitted via facsimile to the United States Patent and Trademark Office as first address: 1-877-477-8999 Date of Transmittal: December 16, 2005					
() deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Box 1450, Alexandria, VA 22313-1450. Date of Deposit: _____ Typed/Printed Name: Darryl G. Walker Signature: <i>Darryl G. Walker</i>					

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Auto-Reply Facsimile Transmission



TO:

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Dec. 16. 2005 10:23AM Walker & Sako, LLP NY: 1/001 Fax No. 1781er P. 22

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

11. (Original) The data processing apparatus of claim 9, wherein:
each of the plurality of data processing circuits includes
a request input/output (I/O) for indicating when the data processing
circuit seeks control of the semiconductor memory circuit,
a grant I/O for indicating when the data processing circuit is
granted control of the semiconductor memory circuit, and
a busy I/O for indicating when the data processing circuit is
controlling the semiconductor memory circuit.

12. (Original) The data processing apparatus of claim 11, wherein:
each of the plurality of data processing circuits includes
a first switch for selectively connecting the request I/O, grant I/O,
and busy I/O to a requesting circuit that generates a request indication and
busy indication for the data processing circuit, and
a second switch for selectively connecting the request I/O, grant
I/O, and busy I/O to an arbitration circuit that generates a grant indication;
wherein
the first switch is disabled and the second switch is enabled when
the data processing circuit is initialized as a master device, and the first
switch is enabled and the second switch is disabled when the data
processing circuit is initialized as a slave device.

13. (Original) The data processing apparatus of claim 12, wherein:
each data processing circuit includes
a controller that generates at least one controller signal for enabling
or disabling the first switch and second switch according to initialization
data.

14. (Original) The data processing apparatus of claim 9, wherein:
the at least one control line is directly connected to the control input of the
semiconductor memory circuit and the control output of each of the plurality of
data processing circuits.

PAGE 1/10 * RCVD AT 12/16/2005 1:24:51 PM [Eastern Standard Time] * SVR:USPTO-EFAXF 4639 * DNIS:2738300 * CSID:14089770174 * DURATION (mm-ss):05:24

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